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L1 ANSWER 23 OF 72 CA COPYRIGHT 2004 ACS on STN
AN 111:196953 CA
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TI Fire-resistant silicate coatings for wood and other combustible materials
IN Gilmour, Norman Thomson
PA D. J. Mine Services (Pty.) Ltd., S. Afr.
SO S. African, 8 pp.
CODEN: SFXXAB

DT Patent
LA English
IC ICM C09D
CC 42-10 (Coatings, Inks, and Related Products)
Section cross-reference(s): 43

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | ZA 8803814 | A | 19890426 | ZA 1988-3814 | 19880527 |
| PRAI | ZA 1987-2667 | | 19870414 | | |

AB The title coatings, useful on mine timbers, contain Na silicate 70, BaSO₄ 10, bentonite 3.2, **unexpanded vermiculite** 4, expanded vermiculite 8, wetting agents 0.8, and mineral fibers 4%. The liq. and dry ingredients are mixed, optionally with water, shortly before application.

ST silicate fireproof coating wood; mine timber fireproof coating; barium sulfate fireproof coating; bentonite fireproof coating; vermiculite fireproof coating; mineral fiber fireproof coating

IT Bentonite, uses and miscellaneous

Kaolin, uses and miscellaneous

RL: USES (Uses)

(in fireproof coatings)

pbw
Na silicate 70
Ba SO₄ 10
Bentonite 3.2

Unexp. Vermiculite 4

Exp. Vermiculite 8

Wetting agents 0.8

Claims 16, 17,

19, 22, 23, 24, 27, 28, 29,

30, 31, 33, 34, 35, 37, 38, 39

40, 41, 42, 43, 48

hydraulic mat'l is → Na silicate